Where’s My Beer?

Building a Better Kegerator with a Raspberry Pi & Sensu

About Me

- Customer Success Engineer at Sensu
- Avid Banjo player
- Homebrewer
- Twitter: asachs01

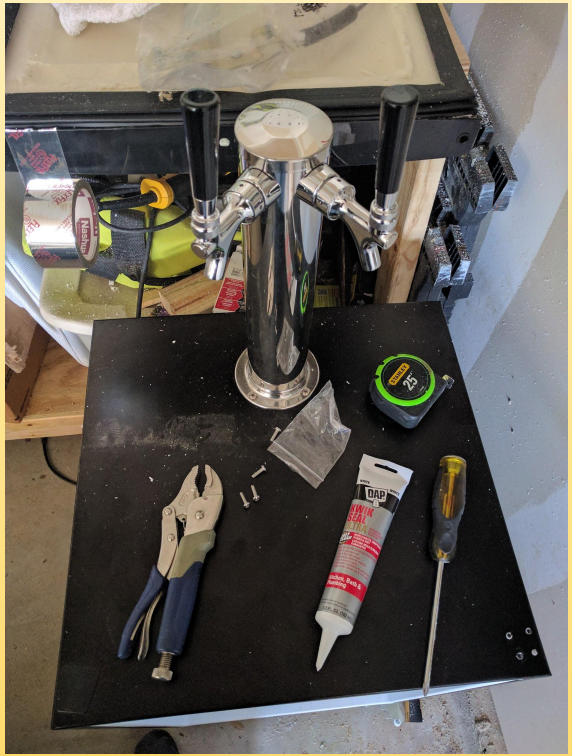
The Project

Some backstory...

From this:

To this:

Build Your Own...



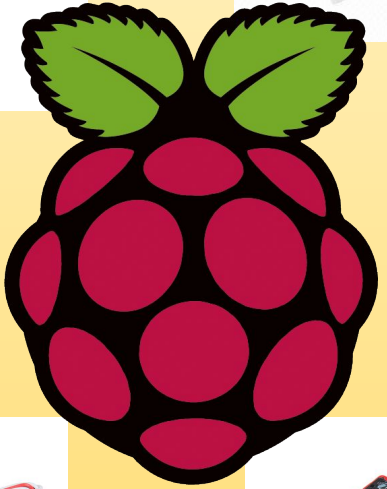
During construction

Completed kegerator

The Problem(s)


4GIFs
.com

The Solution



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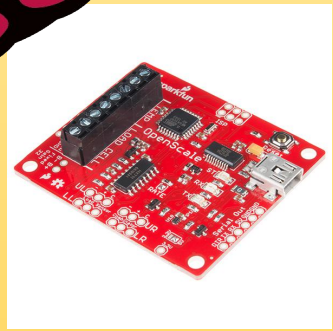
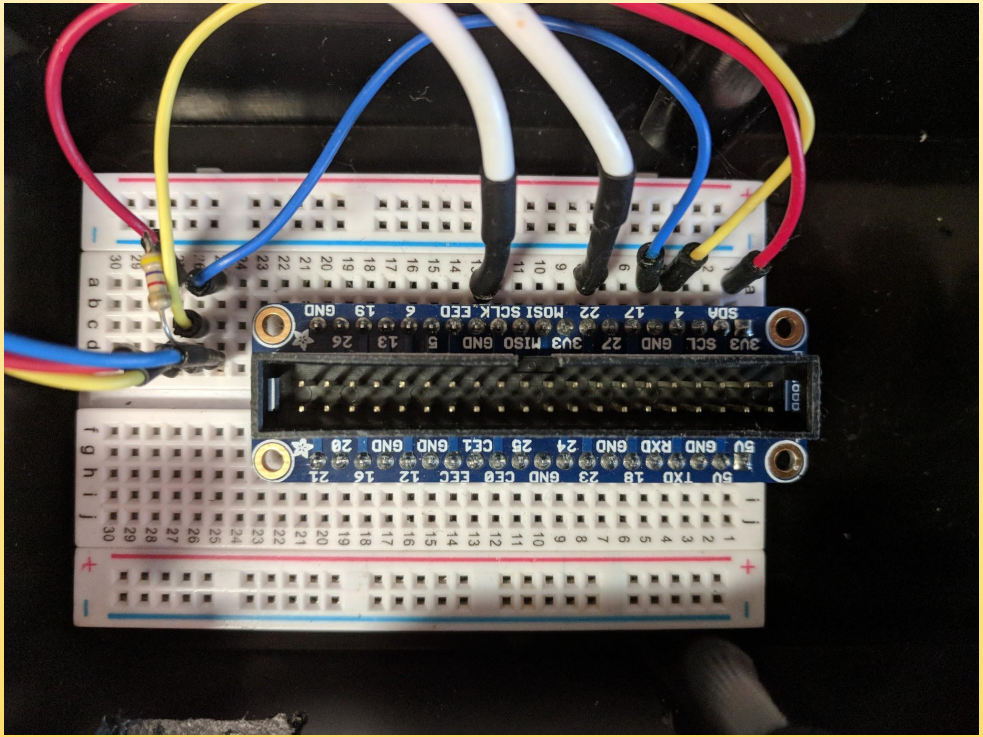

SparkFun
OpenScale

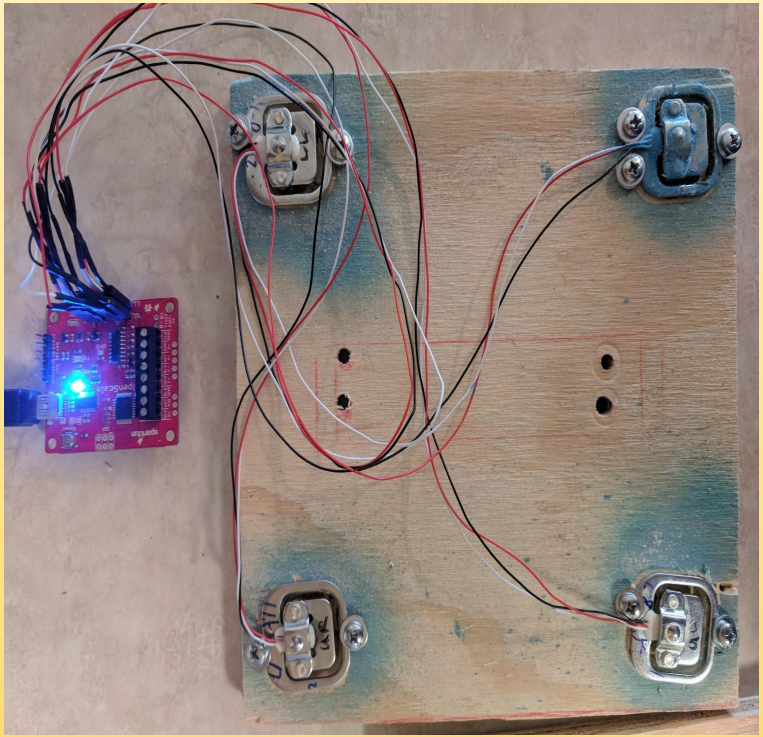
The Buildout

The Parts

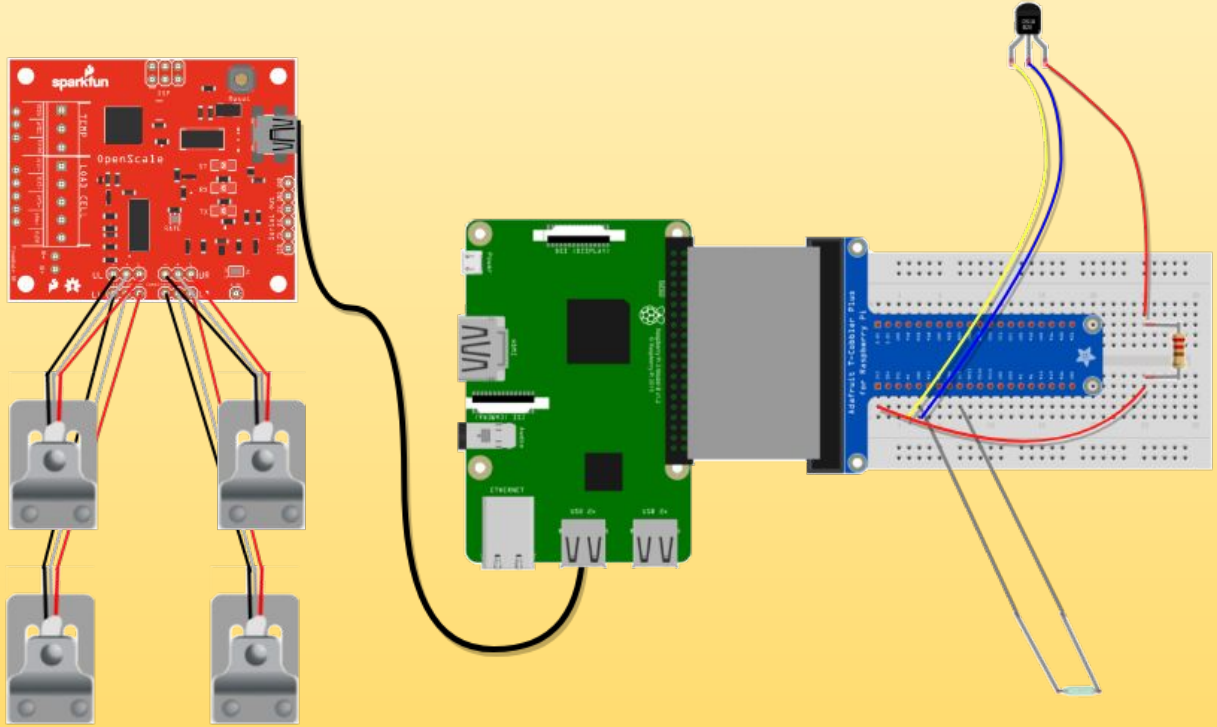
- Raspberry Pi
- Smarticase w/ large enclosure
- 7” lcd screen
- 4 x load cells
- OpenScale board
- Temp Sensor
- Contact Sensor

How It’s Wired

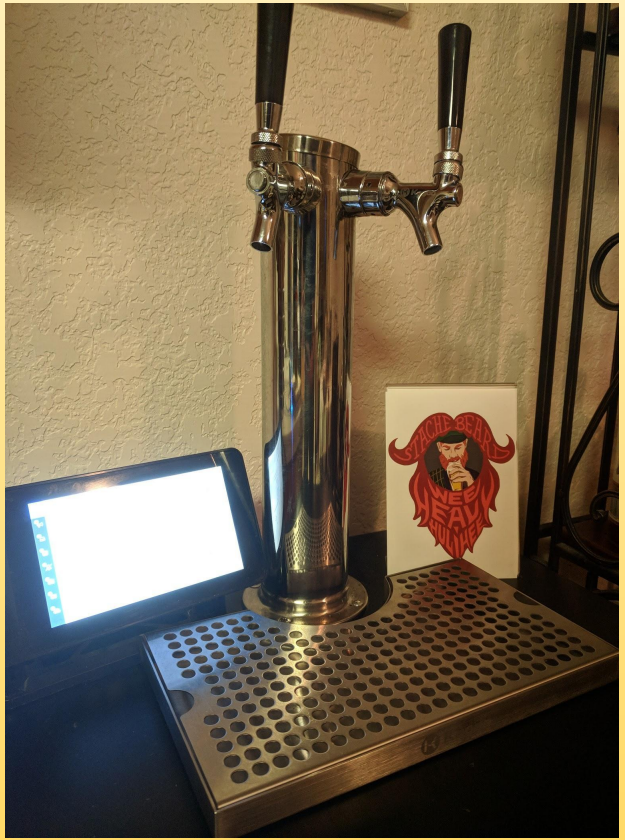




How It’s Wired, ctd.



The (Semi) Finished Product



Monitoring It All

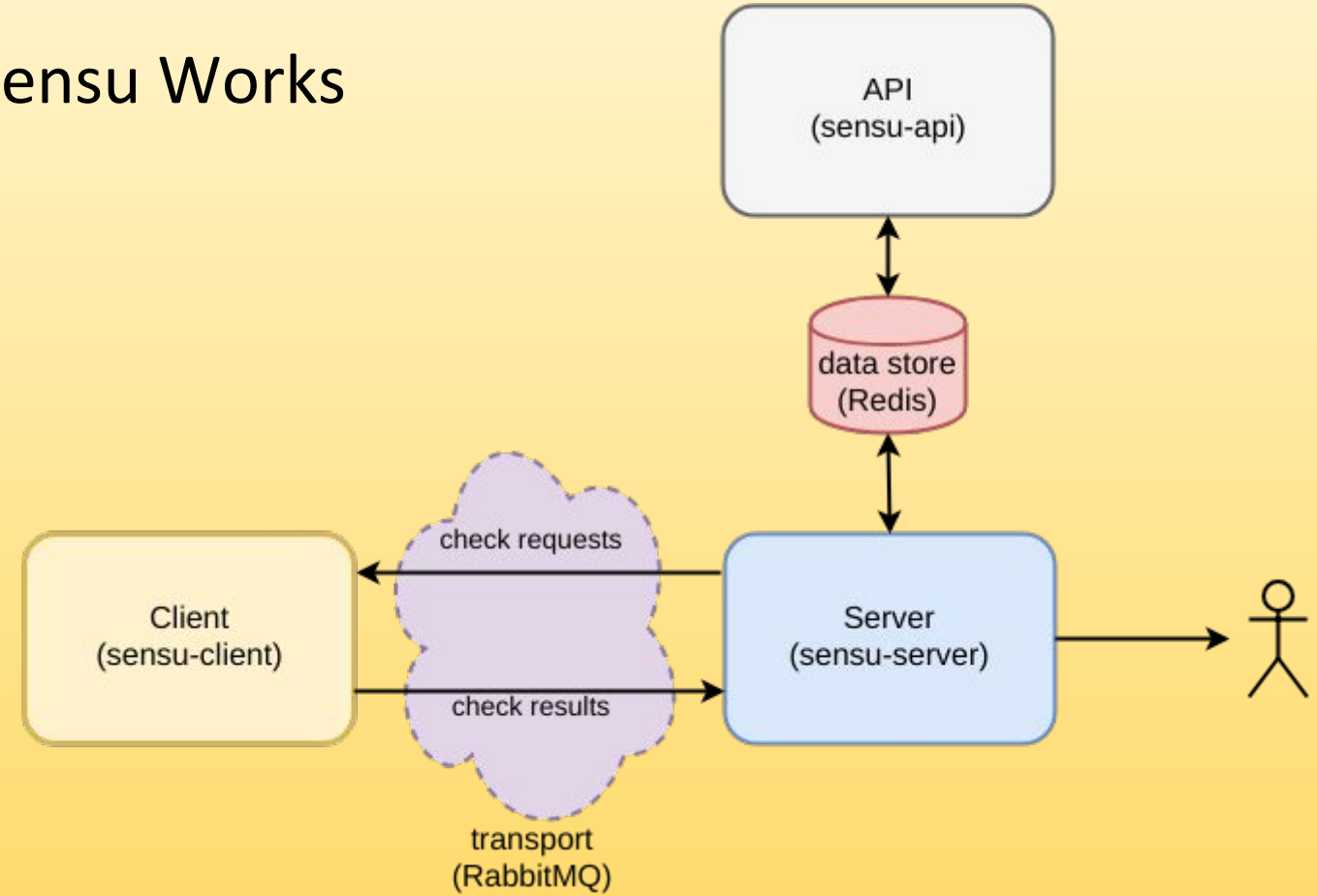
Sensu

- A composable monitoring framework aimed at obviating the need to (re)build custom monitoring solutions.
- Translation?
- 2 products
  - Core
  - Enterprise

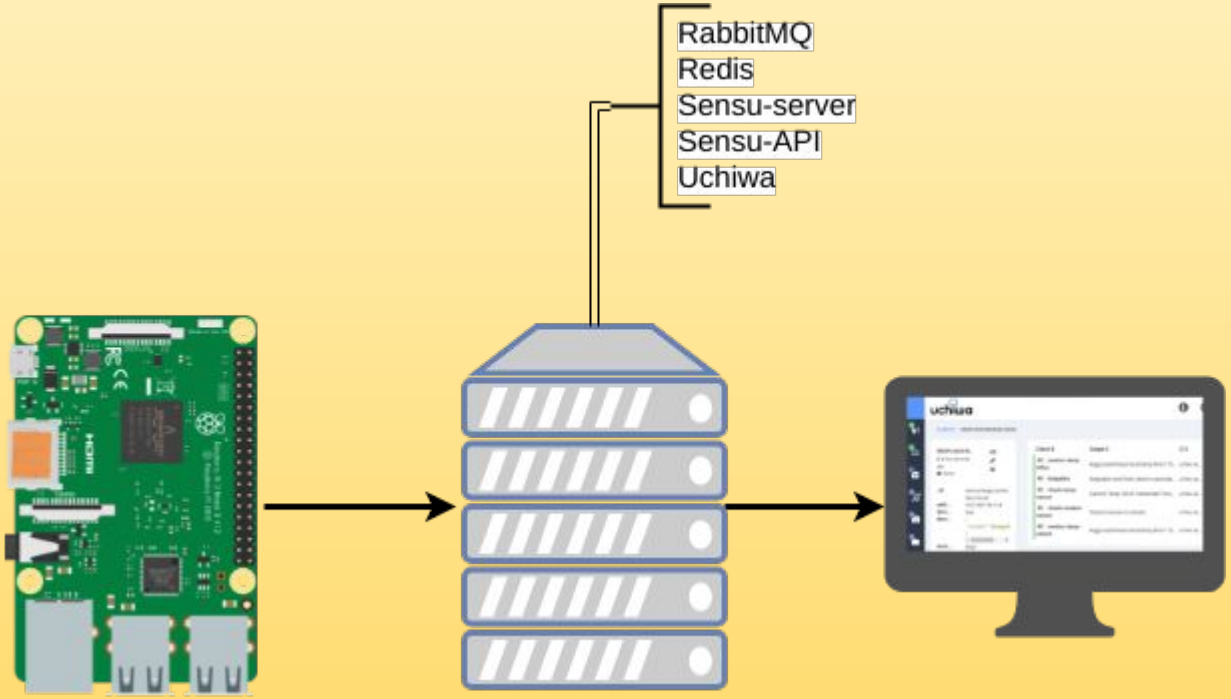
Why Sensu?

- Flexibility
- Easy to write plugins
- Works on any Linux system

How Sensu Works



How Sensu Works



How Sensu Works

Check Details

- Couple of Ruby gems:
  - `rpi_gpio`
  - `sensu-plugin`
- Custom plugin
  - Temperature checks (metric and status)
  - Contact sensor status
  - Beer amount (metric and status) - UPCOMING!!!

The Demo

Resources

- https://github.com/asachs01/txlf18
- http://bit.ly/kegpi-txlf18
- https://github.com/sensu/training-vagrant
- https://docs.sensu.io
- https://slack.sensu.io

Q&A

Me:

- Twitter: asachs01

Sensu:

- Community Slack: https://slack.sensu.io